PB-228 808

TABULATION COMMUNITY WASTE DATA, MARYLAND PORTION, CHESAPEAKE DRAINAGE AREA

Public Health Service
Charlottesville, Virginia

August 1964

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
REGION III
PUBLIC HEALTH SERVICE
DIVISION OF WATER SUPPLY AND POLLUTION CONTROL
CHESAPEAKE BAY-SUSQUEHANNA RIVER BASINS PROJECT
CHARLOTTESVILLE, VIRGINIA

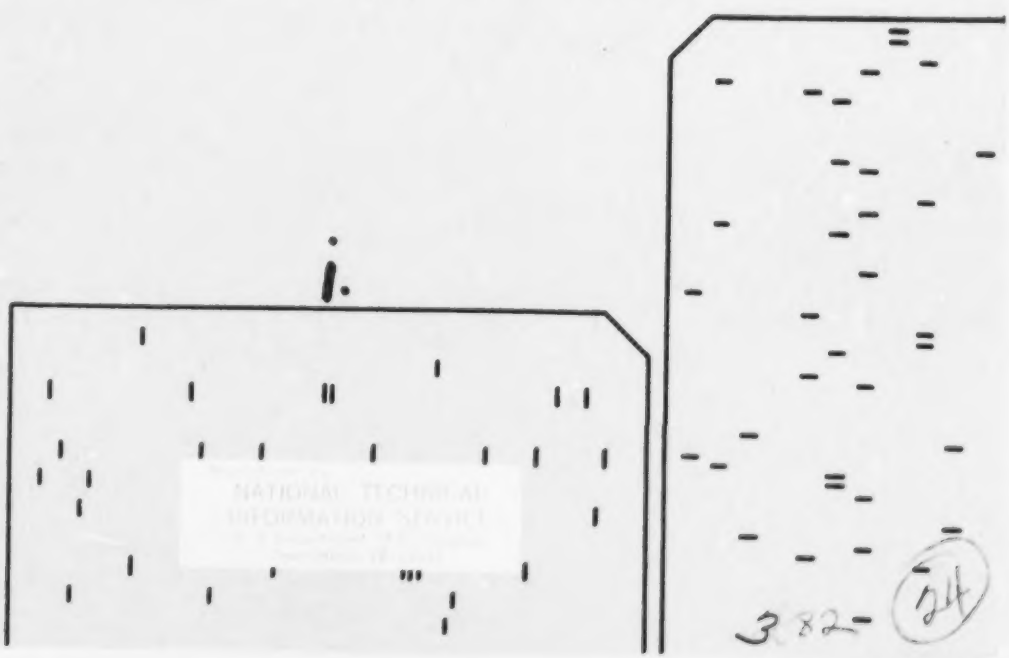
CB-SRBP

Title - TABULATION
COMMUNITY WASTE DATA
MARYLAND PORTION

Chesapeake Drainage Area

AUGUST 1964

1. Chesapeake Bay - Susquehanna River Basins
2. Chesapeake Bay
3. Susquehanna River
4. Chesapeake Bay - Maryland Portion



NATIONAL TECHNICAL INFORMATION SERVICE

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ACKNOWLEDGMENTS

The Chesapeake Bay-Susquehanna River Basins Project acknowledges the cooperation and assistance extended by the following:

Department of Health
State of Maryland

Basic Data Branch
Division of Water Supply and Pollution Control
Washington, D. C.

INTRODUCTION

The U. S. Department of Health, Education, and Welfare, Public Health Service, has initiated under the provisions of the Federal Water Pollution Control Act a comprehensive water quality project for the Chesapeake Bay-Susquehanna River Basins. This Project is one of a series of regional projects established for the development of comprehensive water quality control programs to relieve current problems and to meet the water requirements of future years.

A basic step in comprehensive projects is the collection of data on water uses, including water supplies, waste loads, and resultant water quality. The purpose of this presentation is to tabulate the community waste data for the Maryland portion of the Chesapeake Bay Drainage Basin. This format will provide the ability to assess the completeness of community waste data and provide a planning tool for developing field programs and for projecting future community waste loads.

Data contained in the tabulations were compiled primarily from State health department files, including regional and local offices, some individual visits to communities, and the Public Health Service 1957 Inventory of Community and Industrial Wastes.

DATA PRESENTATION

This report covers the Maryland portion of the Chesapeake Bay Drainage Basin. The data are arranged alphabetically by counties and alphabetically by communities within each county.

Figure 1 shows the Chesapeake Bay Drainage Basin and delineates the area covered by this report.

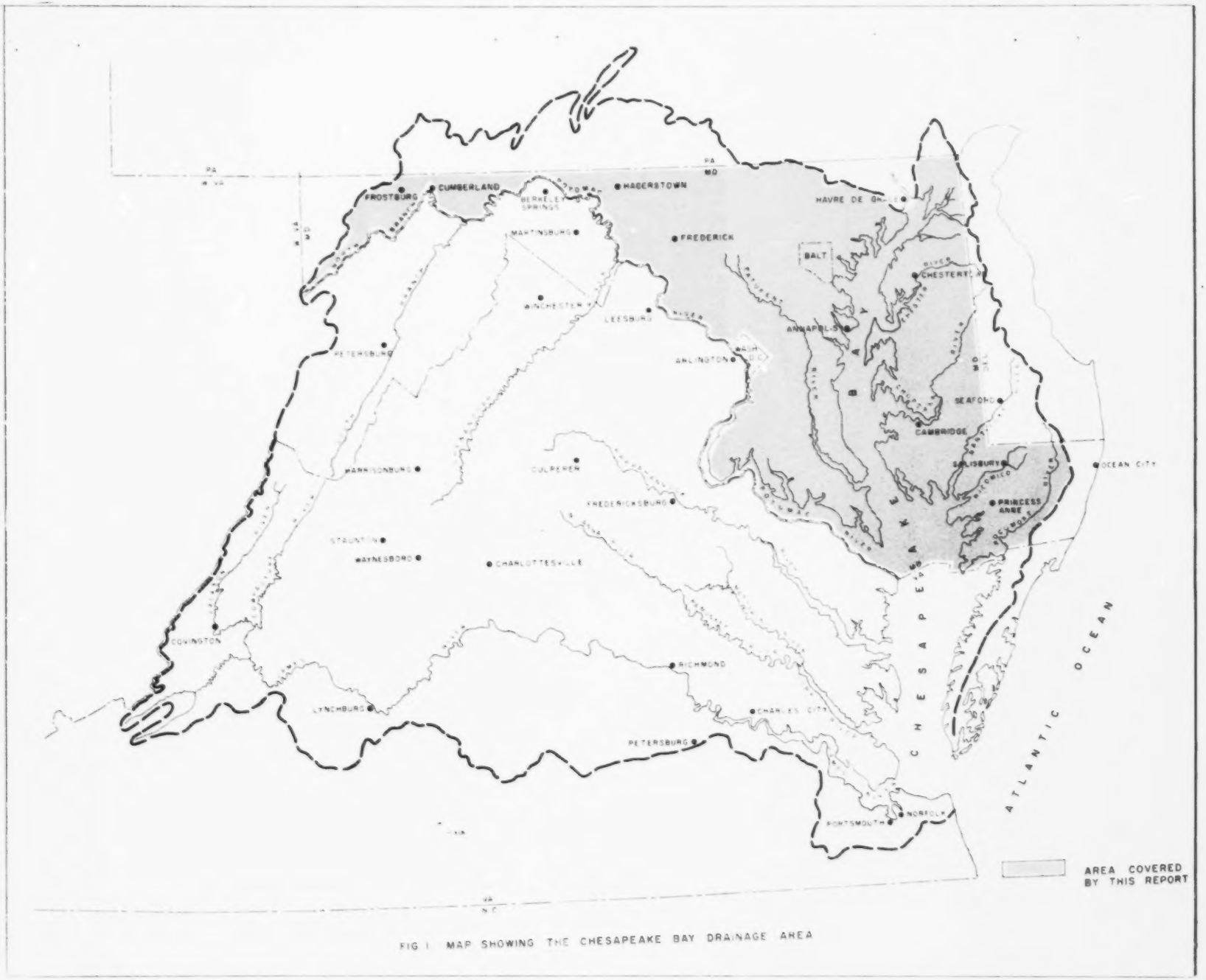

FIG 1 MAP SHOWING THE CHESAPEAKE BAY DRAINAGE AREA

NOTES REGARDING THE TABULATION

"E" preceding a numeric value indicates that the value has been estimated. An "x" in the listing indicates that the data called for are not available. A dash "-" signifies that the data called for are not applicable to the entry.

Column (1) Community Name

The name of the community in which the facility or institution is located is placed here. The following abbreviations are used for the purpose of consistency in data entry:

Column (1) Community Name

Name or Word	Abbreviation
South	S
Borough	BORO
Township	TWP
State	ST
Ville (Names Ending In)	VIL

Column (2) 1960 Census Population

For communities the entry shows the 1960 population, as reported in PC(1)A, U.S. Census Population 1960, U.S. Department of Commerce. For institutions and other entries, the population figure expresses the 1960 population of the community in which the institution or other entry is located.

Column (3) Population Connected

The figure appearing indicates the number of people served by the facility.

Column (4) Type Sewer System

The type sewer system is coded as follows:

1. Separate (designed to carry domestic sewage and industrial waste separately from storm water runoff)
2. Combined (designed to carry domestic sewage, industrial waste and storm water runoff in the same sewer)
3. Both (some separate and some combined systems)
4. Individual Septic Tank Outfalls
5. Individual Septic Tank, No Outfalls

Column (5) Sewage Treated

This column may contain two numeric entries. The first numeric entry appearing under the "R" in TREATED refers to whether the community treats its sewage locally or elsewhere. A (1) in this column refers to locally; (2) refers to elsewhere.

Under the second "T" in TREATED a (1) refers to the sewage being treated locally and elsewhere. In this case no numeric entry under the "R" appears. A (2) appearing indicates that sewage is being treated "from elsewhere" by the facility.

Column (6) Where, If Elsewhere

The name of the community or facility treating the sewage, if the sewage is treated elsewhere, is placed here.

Column (7) From Where

The name of communities or facilities transmitting waste to the community or facility for treatment is placed here.

Column (8) Average Flow (MGD)

Average waste flow in million gallons/day is placed in this column.

Column (9) Laboratory Control

1. None
2. BOD (BOD)
3. Total solids (T.S)
4. Settling solids (ST.S)
5. pH (pH)
6. Chlorine demand (Cl.D)
7. Chlorine residual (Cl.R)
8. Relative stability (R.S)
9. (BOD) (pH) (St.S) (Cl.D)
10. (Cl.D) (Cl.R)
11. (BOD) (Cl.D) (Cl.R)
12. (R.S) (St.S) (pH) (Cl.R) Dissolved oxygen (D.O)
13. (R.S) (St.S) (pH) (Cl.R) (D.O) No_3
14. (BOD) (St.S) (pH) (Cl.D) (Cl.R)
15. (BOD) (St.S) (pH) (Cl.D) (Cl.R) Suspended solids (Su.S)
16. (R.S) (T.S) (pH) (Cl.R)
17. (R.S) (BOD) (St.S) (pH) (Cl.D) (Cl.R)
18. (R.S) (St.S) (pH) (Cl.D) (Cl.R)
19. (R.S) Chemical oxygen demand (COD) (Su.S) (pH) (Cl.D) (Cl.R)
20. (pH) (St.S) (Cl.D) (Cl.D)
21. (pH) (S.S) (D.O)
22. (BOD) (St.S) (Su.S) (pH) (Cl.D) (Cl.R) Alkalinity (Alk) Acid (Acid)
23. (R.S) (St.S) (Cl.D)
24. (R.S) (pH) (Cl.R)
25. (R.S) (St.S)
26. (St.S) (pH) (Cl.R)
27. (St.S) (Cl.R)

Column (10) Stream Water Use

Water Use Upstream (UP)

Water Use Near the Point of Discharge (AT)

Water Use Downstream (DN)

01. Water Supply (W.S)
02. Industrial Water (Ind)
03. Agriculture (Ag)
04. Recreational (Rec)
05. (Rec) - (W.S)
06. (Ag) (W.S)
07. Acid Stream (A.S)
08. Sport Fishing (SF)
09. (SF) (W.S)
10. (SF) (Rec)
11. Unknown
12. (SF) (W.S) (Ag)
13. (SF) (W.S) (Rec)
14. None
15. (W.S) (Ind) (SF) (Rec)
16. (W.S) (Ind) (A.S)

Column (11) Sewage Treatment Plant Design Data

Flow (millions of gallons/day)

P.E. (population equivalent)

Column (12) Facility Name

The name of the facility is placed here. The following abbreviations are used for the purpose of consistency in data entry:

Column (12) - Facility Name

Name or Word	Abbreviation
Municipal	MUN
Sewer	SEW
Development	DEV
Seminary	SEM
State	ST
Hospital	HOSP
University	UN
Township	TWP
High School	H SCH
Authority	AUTH
Borough	BORO
City	CTY
South	S
Company	CO
Service	SRV
Burg (Names Ending In)	B
System	S
Steel	SL
Park	PK
West	W

//

Column (13) BOD Raw

Three separate entries are used in this column. The first entry indicates the following:

1. Indicates assumed BOD (ppm) (from standard value)
2. Indicates best estimate calculated BOD (ppm)
3. Indicates BOD Grab Sample
4. Indicates BOD (ppm) 8-hour composite sample
5. Indicates BOD (ppm) 16-hour composite sample
6. Indicates BOD (ppm) 24-hour composite sample
7. Indicates yearly average BOD (Grab Samples)

The second entry shows the number of "samples".

The third entry is the BOD in (ppm).

Column (14) Type Treatment

The numeric entry indicates the type of treatment provided.

1. None
2. Primary
3. Intermediate
4. Secondary
5. Tertiary (polishing sand filters or lagoons following secondary treatment)

Column (15) BOD Discharged

Same coding as Column (13) with the exception that the third entry is the BOD in (ppm) of the waste effluent.

Column (16) Receiving Stream

The name of the stream receiving the discharge is placed in this column. The following abbreviations are used for the purpose of consistency in data entry.

Column (16) - Receiving Stream

Name or Word	Abbreviation
Tributary (of)	TRIB
Creek	CR
River	R
Branch	BR
Susquehanna	SUS
Stream (Abbreviate if space does not permit writing name in full)	STR
Run	RN
South	S
West	W

Column (17) Improvement Needs and/or Status of the Facility (Determined by the State)

1. New Treatment Facilities
2. Enlargement of Existing Facilities
3. Addition of Other Treatment Methods to Existing Facilities
4. Chlorination
5. Replacement of Existing Plant
6. Improved Operation or Utilization of Existing Facilities

7. Connection to Adequate Existing Sewer System

8. No Project Needed

9. Plant Being Designed

10. Plant Under Construction

11. No Treatment Required (by State)

Column (18) Remarks

The numeric values appearing at the end of this column indicate the Month, Day, and Year of the last State Inspection.

DATA TABULATION

COUNTY NAME ALLEGANY

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BARTON	731	600	1	-	-	-	E0.030	01	19 11 14	-	-
BEL-AIR		E 400	1	1	-	-	X	01	15 15 15	X	1700
BOWLING GREEN	-	2750	1	1	-	-	E0.180	29	15 15 15	0.300	5040
CUMBERLAND	33615	33000	1	1	-	-	E5.000	90	15 11 15	E0.000	65000
FROSTBURG	6722	4000	1	-	-	-	E0.400	01	14 11 19	-	-
GROODENVALE		63	1	1	-	-	X	01	01 11 04	0.005	63
LAVALE	4031	X	4	1	-	-	X	01	11 11 11	-	-
LONACONING	2077	1500	1	1	-	-	E0.090	X	17 11 19	-	-
LUKE	587	587	1	2	WESTERNPORT	-	-	X	15 15 15	-	-
WESTERNPORT	3559	4146	1	1 2	-	LUKE	20.400	90	15 15 15	X	X

COUNTY NAME ANNE ARUNDEL

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
ANNAPOLIS	23385	28100	1	1 2	-	SEE COMMUN SERV	5.500	28	60 11 10	E.000	
FRIENDSHIP AIRP	-	1000	1	1	-	-	E0.100	X	11 11 06	0.100	X
CROWNSVILLE	-	X	1	1	-	-	E0.080	10	11 11 11	1.000	1700
GLEN BURNIE	X	60000	1	1	BALTIMORE	-	5.000	11	11 11 11	5.000	50000
JESSUP	X	2500	1	1	-	-	E0.650	26	11 11 01	0.600	6000
MARYLAND CITY	X	1300	1	1	-	-	0.135	10	01 11 04	0.500	6000
SANDY PT PRISON	-	105	1	1	-	-	X	01	04 11 04	X	100
SANDY PT ST PK	-	X	1	1	-	-	X	01	11 11 11	X	X
SEE REMARKS	-	150	1	1	-	-	E0.035	12	05 11 04	2.000	20000

COUNTY NAME BALTIMORE CITY

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BALTIMORE	939024	1250000	1	1 2	-	SEE COMMUN SERV	99.999	09	05 11 05	99.999	1200000
BALTIMORE	939024	*	1	1 2	-	SEE COMMUN SERV	0.031	09	11 11 04	E.000	E0000
BALTIMORE	939024	*	1	1 2	-	SEE COMMUN SERV	6.990	09	11 11 04	E0.000	E0000

COUNTY NAME BALTIMORE

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BONNIE BLINK	X	225	1	1	-	-	0.018	01	06 11 01	0.035	250
CARNEY	X	X	1	1	-	-	X	01	11 11 04	0.140	1400
CATONSVILLE	37372	1000	1	1	-	-	0.100	29	04 04 04	0.600	4000
FORGE HEIGHTS	-	50	1	1	-	-	E0.005	01	06 11 04	0.010	100
LOCH RAVEN	X	600	1	1	-	-	E0.050	01	15 11 04	0.165	845
MCDONOUGH SCH	X	600	1	1	-	-	E0.050	01	11 11 06	0.100	1000
NOTCH CLIFF	X	X	1	1	-	-	X	01	11 11 11	0.025	150
PERRY HALL	X	2000	1	1	-	-	E0.150	01	11 11 04	0.300	3000
REISTERSTOWN	-	800	1	1	-	-	E0.008	01	06 11 01	X	X
RICHLYN MANOR	0	200	1	1	-	-	E0.015	01	11 11 11	0.050	500
SPARROWS POINT	11775	X	1	1	-	-	X	01	11 11 11	0.800	7000
WOODENSBURG	-	300	1	1	-	-	E0.090	01	11 11 04	0.060	510
WOODSTOCK	X	200	1	1	-	-	E0.020	01	11 11 14	0.038	350

COUNTY NAME CALVERT

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
NORTH BEACH	604	X	1	1	-	-	E0.200	01	11 11 04	0.200	1000
RANDLE CLIFFS	-	300	1	1	-	-	E0.010	01	11 11 04	0.075	600

FACILITY NAME		BOD RAW		TYPE TREATMENT		BOD DISCHARGE	RECEIVING STREAM		IMPROVEMENT NEEDS	REMARKS
ASHTON	1	200		1	1	200	GEORGES CR		01	
BEL-AIR	1	200		4	1	30	N BR POTOMAC R		09	
BOWLING GREEN		250		2		150	POTOMAC R		09	OWNER ALLEGANY COUNTY SANITARY COMMISSION
CUMBERLAND		X		2		X	POTOMAC R		09	
FLINTSTONE		220		1		220	GEORGES CR	*	01	* JENNINGS RUN
GF RICHVALE	1	200		2	1	130	EVITTS CR		08	TO BE CONNECTED TO CUMBERLAND
LAVALE		X		1		X	BRADDOCK RUN		07	* NUMEROUS PRIVATE OUTFALLS
LITTLEGUNNING	1	200		1	1	X	GEORGES CR		01	
LUKE		-		-		-	-		08	
N POTOMAC R COM		X		4		X	POTOMAC R		09	

FACILITY NAME		BOD RAW		TYPE TREATMENT		BOD DISCHARGE	RECEIVING STREAM		IMPROVEMENT NEEDS	REMARKS
ANNAPOLIS		X		2		55	SEVERN R		09	SECONDARY TREATMENT BEING CONSIDERED
FRIENDSHIP AIRP	1	200		2	1	130	PATAPSCO R		07	TO BE CONNECTED TO BALTIMORE
GLENWOOD ST HOSP	1	200		4	1	30	BACON RIDGE BR		08	
GLEN BURNIE	1	200		2	1	150	CYPRESS CR		03	
SYKESVILLE	1	200		4	1	30	HORSEY RUN		09	NO HOUSE OF CORRECTION
MARYLAND CITY	1	200		4	1	30	PATUXENT R		08	
SANDY PT PARISH	1	200		4	1	30	CHESAPEAKE BAY		08	
SANDY PT ST PK	1	200		4	1	30	CHESAPEAKE BAY		09	
PATUXENT PLANT	1	200		4	1	20	L PATUXENT R		09	ANNE ARUNDEL CO SANITARY COMMISSION

FACILITY NAME		BOD RAW		TYPE TREATMENT		BOD DISCHARGE	RECEIVING STREAM		IMPROVEMENT NEEDS	REMARKS
BACK R PLANT	*	175		4	6	20	BACK R		08	180,000 170,000 BALTIMORE & ANNE ARUNDEL COUNTY
MED HERO PLANT		X		2		X	PATAPSCO R		09	* TOTAL POP CONNECTED SHOWN FOR BACK RIVER PLANT
PATAPSCO R PLNT	3	170		2	4	100	PATAPSCO R		02	* TOTAL POP CONNECTED SHOWN FOR BACK RIVER PLANT

FACILITY NAME		BOD RAW		TYPE TREATMENT		BOD DISCHARGE	RECEIVING STREAM		IMPROVEMENT NEEDS	REMARKS
BONNIE VIEW	4	170		4	4	50	WESTERN RUN		08	
CAINE		X		4		X	GUNPOWDER FALLS		08	
COOPER BRANCH	1	200		4	1	50	COOPER BR		08	
EAGLE HEIGHTS	1	200		4	1	150	GUNPOWDER FALLS		07	
MT ERATHING SCH	4	215		4	1	50	GUNPOWDER FALLS		08	
MCDONOUGH SCH	1	200		4	1	30	GWYNNS FALLS		09	
MEETH CREEK	1	200		4	1	30	MINEBANK RUN		04	
MERRY HILL	1	300		4	1	50	WHITE MARSH RUN		08	
CHILD REHAB CEN	1	200		4	1	130	RAYSORS RUN		09	
RICHLYN ASSOC	1	200		4	1	30	GUNPOWDER FALLS		08	
SPARROWS POINT		X		2		X	BIRDS CR		09	
WILDERSBURG SCH	1	200		4	1	30	PATAPSCO R		02	
WOODSIDE	1	200		2	1	100	PATAPSCO R		09	

FACILITY NAME		BOD RAW		TYPE TREATMENT		BOD DISCHARGE	RECEIVING STREAM		IMPROVEMENT NEEDS	REMARKS
NORTH BEACH	1	300		4	1	30	CHESAPEAKE BAY		08	
RANGLE CLIFFS	1	200		4	1	30	CHESAPEAKE BAY		08	

COUNTY NAME: CAROLINE

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED		IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
DENTON	1938	1900	2	-		-	-	0.220	X	04 11 04	-	-
FEDERALSBURG	2060	2000	3	1		-	-	0.250	X	11 11 14	0.600	6000
GREENSBURG	1160	1200	3	-		-	-	0.230	X	14 11 14	-	-
PRESTON	469	467	1	-		-	-	0.038	X	14 11 14	-	-
RIDGELY	886	886	1	1		-	-	0.070	X	14 11 14	X	1000

COUNTY NAME: CARROLL

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED		IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
HENRYTON	-	270	1	1		-	-	0.060	01	01 11 04	0.070	700
NEW WINDSOR	738	X	X	1		-	-	X	X	11 11 11	0.120	1725
SPRINGFLD HOSP	-	4789	1	1	4	-	PRISON LAUNDRY	1.000	29	01 11 11	0.750	5000
TANEYTOWN	1919	1900	1	1		-	-	0.150	29	01 11 14	0.200	2500
UNION BRIDGE	833	X	X	X		-	-	X	X	X X X	0.120	1200
WESTMINSTER	6123	8000	1	1		-	-	0.750	01	14 11 08	0.750	5000

COUNTY NAME: CECIL

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED		IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
CHESAPEAKE CITY	1104	1057	1	1		-	-	0.090	X	11 11 11	0.087	1000
CHESAPEAKE CITY	1104	*	1	1		-	-	X	X	11 11 11	0.073	800
ELKTON	5989	4900	2	1		-	-	1.200	28	11 11 11	1.350	12000
HOLLY HALL TERR	-	612	1	1	2	-	-	0.090	X	11 11 11	0.160	1000
MEADOWVIEW	-	650	1	1		-	-	0.088	33	14 11 14	0.250	2500
NORTH EAST	1628	2550	1	1		-	-	X	X	04 04 04	0.300	3000
PERRYVILLE	674	X	X	1		-	-	X	X	11 11 11	X	X

COUNTY NAME: CHARLES

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED		IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
INDIAN HEAD	780	1200	1	1		-	-	0.096	07	10 11 10	0.108	1000
LA PLATA	1214	1400	1	1		-	-	0.110	07	10 11 10	0.150	1500
N INDIAN HD EST	-	168	1	1		-	-	0.013	01	14 14 14	X	700
POTOMAC HEIGHTS	-	2700	1	1		-	-	0.420	07	10 11 10	0.400	2500
S MD CORR CAMP	-	133	1	1		-	-	0.011	01	14 14 14	X	700

COUNTY NAME: DORCHESTER

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED		IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
CAMBRIDGE	12239	12000	1	1		-	-	2.100	07	11 11 11	4.000	X
DORCHESTER SCHL	-	440	1	1		-	-	X	07	11 11 11	X	1400
E NEW MARKET	229	150	1	1		-	-	0.020	01	14 11 11	0.100	100
HURLOCK	1035	700	1	1		-	-	0.090	01	14 11 11	0.120	1200
VIENNA	430	300	2	-		-	-	0.020	01	08 11 11	-	-

FACILITY NAME	BOD RAW	TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
DENTON	1 200	1	1 200	CHOPTANK R	01	
FEDERALSBURG	1 200	4	1 30	MARSHYHOPE CR	08	
GREENSBORO	4 350	1	4 350	CHIPTANK R	01	
PRESTON	1 200	1	1 200	HUNTING CR	01	
RIDGELY	1 200	2	1 130	TRIB TO CHIPTK	01	

FACILITY NAME	BOD RAW	TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
MERRYN ST HOSP	1 200	2	1 130	S BR PATAPSCO R	08	PROJECTED POP 1969 - 650
NEW WINDSOR	1 200	4	1 30	DICKENSEN RUN	X	
SPRINGFLD HOSP	1 200	4	1 30	PINEY RUN	08	
TANEYTOWN	1 250	4	1 40	PINEY CR	08	
UNION BRIDGE	1 200	4	1 30	LITTLE PIPE CR	X	
WESTMINSTER	4 500	4	4 100	LITTLE PIPE CR	02	PROJECTED POP 1980 - 11500, 2000 - 25000

FACILITY NAME	BOD RAW	TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
SOUTH PLANT	1 200	2	1 130	SEE REMARKS	03	CHESAPEAKE & DELAWARE CANAL
NORTH PLANT	1 200	2	1 130	SEE REMARKS	03	CHESAPEAKE & DELAWARE CANAL *TOTAL SHOWN FOR PLANT 1 ONLY
ELKTON	6 451	3	6 52	BIG ELK CR	08	
MILLY HALL TERR	6 100	4	6 16	BIG ELK CR	02	
MEADOWVIEW	1 200	4	1 30	W BR CRISTINA R	08	
NORTH EAST	1 200	2	1 130	NORTHEAST R	09	CECIL CO METROPOLITAN SEWER
PERRYVILLE	X	4	X	X	X	

FACILITY NAME	BOD RAW	TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
INDIAN HEAD	1 200	2	1 130	MATTAWOMAN CR	08	
LA PLATA	1 200	4	1 30	PORT TOBACCO RN	02	
N INDIAN HD EST	1 200	4	1 30	PORONKEY CR	08	
POTOMAC HEIGHTS	1 200	2	1 130	POTOMAC R	08	
S MD CORR CAMP	1* 200	4	1 30	GILBERT RUN	08	

FACILITY NAME	BOD RAW	TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
CAMBRIDGE	4 370	2	4 180	CHOPTANK R	09	
DORCHESTER SD#1	1 200	4	1 30	JENKINS CR	08	DORCHESTER COUNTY SANITARY COMMISSION - DISTRICT #1
E NEW MARKET	1 200	2	1 130	MARWICK CR	01	
HURLOCK	1 165	2	1 110	WRIGHTS BR	01	
VIENNA	1 200	1	1 200	MANTICOKE R	01	

COUNTY NAME: FREDERICK

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	WHERE IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BRUNSWICK	3555	3200	I	I	-	-	0.250	01	16 16 16	0.200	4000
EMMITSBURG	1369	2600	I	I	-	-	0.250	79	08 08 08	0.200	7000
EMMITSBURG	-	200	I	I	-	-	0.035	01	14 14 14	X	X
EMMITSBURG	-	X	I	I	-	-	X	79	11 11 11	0.060	700
FAIRVIEW	-	100	I	I	-	-	0.005	X	14 11 11	0.010	100
FREDERICK	21744	20700	I	I	-	-	5.700	32	11 11 05	5.621	30000
MIDDLETOWN	1016	1100	I	I	-	-	0.050	01	11 11 11	0.110	1500
MYERSVILLE	355	450	I	I	-	-	0.025	79	08 08 08	0.030	300
PINECLIFF	-	55	I	I	-	-	X	01	11 11 11	X	100
SOUTHEASTVILLE	-	700	I	I	-	-	0.035	01	11 11 11	0.130	1000

COUNTY NAME: HARFORD

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	WHERE IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
ABERDEEN	9679	12000	I	I	-	-	0.925	01	14 11 14	1.125	15000
BEL AIR	4500	5000	I	I	-	-	0.450	11	14 11 14	0.600	6000
EDGEWOOD	-	1600	I	I	-	-	0.138	01	14 11 04	0.090	900
JOPPATOWN	-	700	I	I	-	-	0.120	01	11 11 11	0.180	1500

COUNTY NAME: HOWARD

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	WHERE IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
ELKRIDGE	-	X	I	I	-	-	X	01	14 11 14	0.050	500
SAVAGE	1191	600	I	I	-	-	0.048	01	11 11 01	0.010	600
SCAGGSVILLE	-	1200	I	I	-	-	X	32	14 11 14	0.160	1600

COUNTY NAME: KENT

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	WHERE IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BETTERTON	528	200	I	I	-	-	0.016	07	14 11 04	0.021	200
CHESTERTOWN	3602	5200	I	I	-	-	0.540	01	04 11 04	X	X
GALENA	299	300	I	I	-	-	X	01	04 04 04	X	400

COUNTY NAME: MONTGOMERY

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	WHERE IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
CLOPPER	-	X	I	I	-	-	X	01	11 11 11	X	X

COUNTY NAME: PRINCE GEORGES

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	WHERE IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BEL AIR-[illegible]	-	10000	I	I	-	-	0.500	55	11 11 08	1.250	X
BELTSVILLE	-	1000	I	I	-	-	0.500	11	14 11 14	[illegible]	[illegible]
BOWIE	1577	450	I	I	-	-	0.11	01	14 11 04	[illegible]	[illegible]
FT WASHINGTON [illegible]	-	X	I	I	-	-	X	01	11 11 11	X	500
SOIL CONS SERVICE	-	125000	I	I	WASHINGTON D.C.	-	11.000	01	11 11 14	[illegible]	[illegible]
UNION MILLS [illegible]	ATT	700	I	I	-	-	0.070	01	11 11 1	[illegible]	[illegible]

FACILITY NAME	BOD RAW		TYPE TREATMENT	BOD DISCHARGE		RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
BRUNSWICK	1	200	2	1	140	POTOMAC R	05	
EMMITSBURG	1	250	4	1	50	FLAT RUN	08	
MT ST JOSEPH AC	1	200	2	1	100	FLAT RUN	07	MOUNT SAINT JOSEPH ACADEMY
MT SAINT MARYS	1	200	4	1	30	TOMS CR	08	
FOREST	1	200	4	1	10	OWENS CR	08	
FREDERICK *	1	450	4	1	200	MONOCACY R	08	
MIDDLETOWN *	1	200	2	1	100	CATOCTIN CR	08	
MYERSVILLE	1	200	2	1	100	CATOCTIN CR	05	
PINECLIFF	1	200	4	1	30	MONOCACY R	08	
SEE REMARKS	1	200	4	1	60	FRIEND CR	01	VICTOR CULLEN STATE HOSPITAL

FACILITY NAME	BOD RAW		TYPE TREATMENT	BOD DISCHARGE		RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
ABERDEEN	3	350	4	1	30	SWAN CR	08	
BEL AIR	4	160	4	4	24	GUNPOWDER RUN	08	PROJECTED POP 1980 - 2000
EDGEWOOD	1	200	2	1	130	BUSH R	05	
JOPPATOWNE	1	200	2	1	90	L GUNPOWDER FALL	05	

FACILITY NAME	BOD RAW		TYPE TREATMENT	BOD DISCHARGE		RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
DUNLOGGIN	1	200	4	1	50	L PATUXENT R	08	
SAVAGE	3	420	2	3	230	L PATUXENT R	05	
SEE REMARKS	4	310	4	4	95	M PATUXENT R	04	APPLIED PHYSICS LABORATORY-JOHNS HOPKINS UNIVERSITY

FACILITY NAME	BOD RAW		TYPE TREATMENT	BOD DISCHARGE		RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
BETTERTON	1	200	2	1	130	SASSAFRAS R	02	
CHESTERTOWN	1	200	2	1	130	CHESTER R	05	
GALENA	1	200	4	1	90	DYER CR	08	

FACILITY NAME	BOD RAW		TYPE TREATMENT	BOD DISCHARGE		RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
MONTGOMERY HOSP		X	2		X	TRIB HAWLING R	08	

FACILITY NAME	BOD RAW		TYPE TREATMENT	BOD DISCHARGE		RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
BEL AIR-HOWIE	1	200	4	1	15	PATUXENT R	08	
SEE REMARKS	1	250	4	1	40	BEAVERDAM CR	08	AGRICULTURAL RESEARCH CENTER
ST TEACHER COLL	1	200	5	1	30	UNNAMED STREAM	08	
FT WASHINGTN ES	1	200	4	1	10	PISCATAWAY BAY *	08	TO BE CONNECTED TO WSSC
SEE REMARKS	1	200	3	1	100	PATUXENT R	08	WASHINGTON SUBURBAN SANITARY COMMISSION
UPPER MARLBORO	1	200	2	1	130	WESTERN BR	05	

COUNTY NAME QUEEN ANNES

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
CENTREVILLE	1863	1930	1	1	-	-	0.275	07	08 11 08	0.375	1000

COUNTY NAME SAINT MARYS

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
LEONARDTOWN	1281	-	1	1	-	-	0.490	22	14 11 14	0.500	1000
PINEY POINT	-	250	1	1	-	-	X	07	15 04 04	X	300
PINEY POINT	-	* 250	1	1	-	-	X	07	04 04 04	X	250
ST MARYS CITY	-	178	1	1	-	-	0.009	01	11 11 11	0.050	200

COUNTY NAME SOMERSET

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
CRISFIELD	3540	1250	1	1	-	-	0.900	01	11 11 11	0.500	5000
PRINCESS ANNE	1351	1400	1	1	-	-	0.730	X	11 11 11	0.550	5500

COUNTY NAME TALBOT

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
EASTON	6337	5000	1	1	-	-	0.438	01	04 11 11	1.000	10000
OXFORD	852	450	1	1	-	-	0.080	01	11 11 11	0.120	1200
ST MICHAELS	1404	1450	1	1	-	-	X	01	15 11 17	0.200	1500
TRAPPE	358	X	1	1	-	-	0.029	01	11 11 11	0.045	450

COUNTY NAME WASHINGTON

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BOONSBORO	1211	1200	1	1	-	-	0.060	X	14 14 14	0.120	1250
HAGERSTOWN	36660	36000	1	1	-	-	3.800	01	19 11 19	4.000	40000
HANCOCK	2004	1400	1	1	-	-	0.190	X	14 14 14	0.230	2300
BREATHEDSVILLE	-	1250	1	1	-	-	0.650	22	11 11 11	0.250	1250
WILLIAMSPORT	1651	1400	1	1	-	-	0.050	22	15 15 15	0.350	3500

COUNTY NAME WICOMICO

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
DELMAR	1291	2500	1	1	-	-	0.160	X	11 11 11	0.180	1200
QUANTICO	-	164	1	1	-	-	0.020	01	11 11 11	0.020	200
SALISBURY	16302	17197	1	1	-	SEE REMARKS	2.490	11	11 11 17	3.600	31000
SHARPTOWN	620	620	1	-	-	-	0.050	01	11 11 04	-	-

COUNTY NAME WORCESTER

COMMUNITY NAME	POPULATION 1960	POPULATION CONNECTED	TYPE SEWER SYSTEM	SEWAGE TREATED	IF ELSEWHERE	FROM WHERE	AVERAGE FLOW MGD	LAB CONTROL	STREAM WATER USE UP AT DN	PLANT FLOW MGD	DESIGN DATA P.E.
BERLIN	2046	1800	1	1	-	-	0.780	01	11 11 11	0.280	1600
OCEAN CITY	983	-	1	1	-	-	0.400	01	11 11 11	2.500	X
PUCOMOKE CITY	3329	1250	1	1	-	-	0.240	01	09 11 17	-	-
SNOW HILL	2311	1900	2	1	-	-	0.200	01	11 11 09	-	-

FACILITY NAME	BOD RAW	TYPE TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
CENTREVILLE	3	120 4	1	30 GRAVEL RUN	08	

FACILITY NAME	BOD RAW	TYPE TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
LEONARDTOWN	1	200 2	1	130 TOWN RUN	08	
MARINASHORES	1	200 2	1	130 POTOMAC R	08	WINTER POP
MOTEL	1	200 2	1	130 PINEY POINT CR	08	FALL SUMMER POP
ST MARYS JR COL	1	200 2	1	130 ST MARYS R	05	

FACILITY NAME	BOD RAW	TYPE TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
CRESFIELD	1	200 1	1	200 L ANNEMESSEX R	01	
PRINCESS SHRE	1	200 4	1	30 MANOKIN R	08	

FACILITY NAME	BOD RAW	TYPE TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
EASTON	4	150 4	4	40 CHOPTANK R	08	
OXFORD	1	200 4	1	30 TOWN CR	08	
ST MICHAELS	4	125 4	1	30 ST MICHAELS CR	08	
TRAPPE	1	200 4	1	30 TRAPPE CR	08	

FACILITY NAME	BOD RAW	TYPE TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
BOONSBORO	1	200 4	1	30 TRIB ANTIETAM C	08	
HAGERSTOWN	1	300 4	1	75 ANTIETAM CR	06	
HANCOCK	1	200 4	1	30 TOWNSWAY CR	08	200 ADDITIONAL POPULATION DISCHARGE JOINT USE
MD ST HSE REFOR	1	400 4	1	40 ANTIETAM CR	07	
WILLIAMSPORT	1	250 2	1	160 POTOMAC R	08	

FACILITY NAME	BOD RAW	TYPE TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
DELMAR	1	200 2	1	130 WOOD CR	02	
SEE REMARKS	2	170 4	2	25 QUANTICO CR	08	POPLAR HILL PRISON CAMP
SALISBURY	6	240 4	6	27 WICOMICO R	09	RIVERSIDE INDAN SERVICES DISCHRGE
SHARPTOWN	1	250 1	1	250 NANTICOKE R	01	

FACILITY NAME	BOD RAW	TYPE TREATMENT	BOD DISCHARGE	RECEIVING STREAM	IMPROVEMENT NEEDS	REMARKS
BERLIN	3	110 2	3	70 KITS CR	08	
OCEAN CITY	1	200 1	1	200 INLET	01	* HIGH SUMMER POPULATION - 1,600955
POCOMOKE CITY	1	200 1	1	200 POCOMOKE CITY	01	
SNOW HILL	1	200 1	1	200 POCOMOKE CITY	01	